

Title (en)

RF RESOURCE ALLOCATION DEVICE AND METHOD, AND RADIO COMMUNICATION SYSTEM

Title (de)

HF-RESSOURCENZUWEISUNGSVORRICHTUNG UND -VERFAHREN UND FUNKKOMMUNIKATIONSSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ALLOCATION DE RESSOURCES RF ET SYSTÈME DE COMMUNICATION RADIO

Publication

**EP 3223570 B1 20200325 (EN)**

Application

**EP 17156427 A 20170216**

Priority

JP 2016057573 A 20160322

Abstract (en)

[origin: EP3223570A1] Provided is an RF resource allocation device that distributes to a mobile terminal a communication setting notification including a communication setting to be used in a radio communication. The device includes an acquisition unit configured to acquire a measurement result or an estimation result of communication conditions at a plurality of positions; a generation unit configured to determine for each region the communication setting to be used by the mobile terminal in the radio communication based on the communication conditions, and to generate the communication setting notification including the communication setting for each region; and a transmission unit configured to transmit the communication setting notification to the mobile terminal. The acquisition of the communication conditions by the acquisition unit and the generation of the communication setting notification by the generation unit are executed repeatedly at predetermined time intervals.

IPC 8 full level

**H04L 5/00** (2006.01); **H04H 20/42** (2008.01); **H04W 4/40** (2018.01); **H04W 72/08** (2009.01); **H04L 12/26** (2006.01)

CPC (source: EP US)

**H04H 20/42** (2013.01 - EP US); **H04L 5/0058** (2013.01 - EP US); **H04L 5/0092** (2013.01 - EP US); **H04L 43/0882** (2013.01 - US); **H04W 4/40** (2018.01 - US); **H04W 24/02** (2013.01 - US); **H04W 24/10** (2013.01 - US); **H04W 72/20** (2023.01 - US); **H04W 72/542** (2023.01 - EP US); **H04L 43/08** (2013.01 - EP US); **H04L 65/65** (2022.05 - US)

Citation (examination)

- US 2016057639 A1 20160225 - SMITH GARETH [GB]
- WO 2013152808 A1 20131017 - INTEL MOBILE COMM GMBH [DE], et al
- US 2012134336 A1 20120531 - NAKAYA YUUTA [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3223570 A1 20170927**; **EP 3223570 B1 20200325**; JP 2017175296 A 20170928; JP 6497345 B2 20190410; US 10212616 B2 20190219; US 2017280335 A1 20170928; US 2018115917 A1 20180426; US 9888396 B2 20180206

DOCDB simple family (application)

**EP 17156427 A 20170216**; JP 2016057573 A 20160322; US 201715429522 A 20170210; US 201715850884 A 20171221